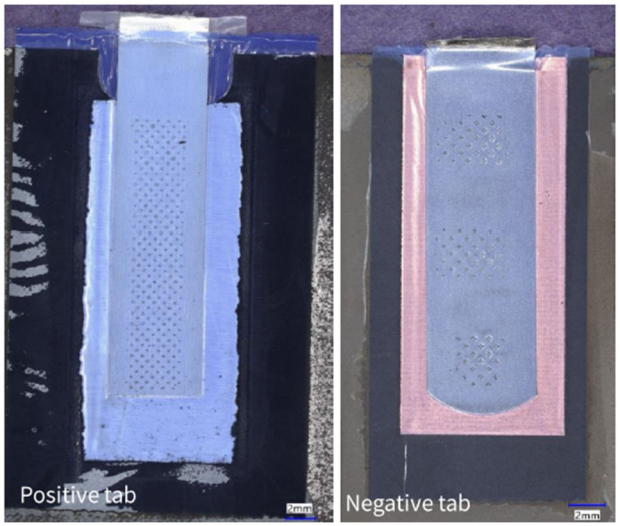
EXHIBIT M

Comparison of U.S. Patent No. 11,799,131 to the CosMX CA496485F-Q1 Battery Cell

Claim 1	CosMX CA496485F-Q1 Battery Cells
An electrochemical device, comprising:	The CA496485F-Q1 battery cell is an electrochemical device. 

<table>
<tr><td></td><td></td></tr>
<tr><td>an electrode;</td><td>The CA496485F-Q1 battery cell contains an electrode.
 
</td></tr>
<tr><td>an electrolyte comprising a dinitrile compound, a trinitrile compound, and propyl propionate; wherein,</td><td>The CA496485F-Q1 battery cell comprises an electrolyte which was extracted using a centrifuge and diluted for GC-MS analysis. GC-MS analysis revealed that the electrolyte comprised a dinitrile compound, a trinitrile compound, and propyl propionate.
<table>
<tr><th>Propyl Propionate (PP) (wt %)</th><th>Dinitrile (wt %)</th><th>Trinitrile (wt %)</th><th>1,3-Propane sultone (PS) (wt%)</th><th>2-Fluoroethylene carbonate (FEC) (wt%)</th></tr>
<tr><td>47.3</td><td>2.03</td><td>1.57</td><td>2.58</td><td>2.00</td></tr>
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<tr>
<td>based on a total weight of the electrolyte, a weight percentage of the dinitrile compound is X, and a weight percentage of the trinitrile compound is Y; wherein,
about 2 wt %≤(X+Y)≤about 8 wt %, and
about 0.1≤(X/Y)≤about 6;</td>
<td>The electrolyte of the CA496485F-Q1 battery cell meets the requirement of, based on a total weight of the electrolyte, a weight percentage of the dinitrile compound is X, and a weight percentage of the trinitrile compound is Y; wherein,
about 2 wt %≤(X+Y)≤about 8 wt %, and
about 0.1≤(X/Y)≤about 6;
<table>
<tr><th>Limitation</th><th>X+Y (wt%)</th><th>X/Y</th><th>Z (wt%)</th><th>Y/Z</th><th>Dinitrile ID</th><th>Trinitrile ID</th></tr>
<tr><td>Claimed Range</td><td>2 – 8 *</td><td>0.1 – 6</td><td>(present)</td><td>0.01 – 0.3</td><td></td><td></td></tr>
<tr><td></td><td>4</td><td>1.3</td><td>47</td><td>0.03</td><td>BN + ADN</td><td>HTCN</td></tr>
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<tr>
<td>the electrode comprises a current collector, a single-sided coating and a double-sided coating;
a first part of the current collector is provided with the single-sided coating and a second part of the current collector is provided with the double-sided coating; and an electrode compaction density of the electrode corresponding to the first part with the single-sided coating is D1, and, an electrode compaction density of the electrode corresponding to the second part with the double-sided coating is D2, wherein, about 0.8⩽D1/D2⩽about 1.2</td>
<td>The CA496485F-Q1 battery cell’s electrode comprises a current collector, a single-sided coating and a double-sided coating; a first part of the current collector is provided with the single-sided coating and a second part of the current collector is provided with the double-sided coating and an electrode compaction density of the electrode corresponding to the first part with the single-sided coating is D1, and, an electrode compaction density of the electrode corresponding to the second part with the double-sided coating is D2, wherein, about 0.8⩽D1/D2⩽about 1.2.
<table>
<tr><th>Claimed range</th><th>D1/D2
about 0.8≤D1/D2≤about 1.2</th></tr>
<tr><td>Positive Electrode</td><td>0.98</td></tr>
<tr><td>Negative Electrode</td><td>1.06</td></tr>
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<td>wherein based on the total weight of the electrolyte, a weight</td>
<td>The CA496485F-Q1 battery cell has an electrolyte which meets the requirement of:</td>
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<tr>
<td>percentage of the propyl propionate is Z; wherein,
about 0.01≤(Y/Z)≤about 0.3;</td>
<td>based on the total weight of the electrolyte, a weight percentage of the propyl propionate is Z; wherein, about 0.01≤(Y/Z)≤about 0.3;
<table>
<tr><th>Limitation</th><th>X+Y (wt%)</th><th>X/Y</th><th>Z (wt%)</th><th>Y/Z</th><th>Dinitrile ID</th><th>Trinitrile ID</th></tr>
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<tr>
<td>wherein the trinitrile compound is one selected from the group consisting of 1,3,5-pentanetricarbonitrile; 1,2,3-propanetrinitrile; 1,3,6-hexanetricarbonitrile; 1,2,6-hexanetricarbonitrile; 1,2,3-tris(2-cyanoethoxy)propane; 1,2,4-tris(2-cyanoethoxy)butane; 1,1,1-tris(cyanoethoxymethylene)ethane; 1,1,1-tris(cyanoethoxymethylene)propane; 3-methyl-1,3,5-tris(cyanoethoxy)pentane; 1,2,7-tris(cyanoethoxy)heptane; 1,2,6-tris(cyanoethoxy)hexane; 1,2,5-tris(cyanoethoxy)pentane; and any combination thereof.</td>
<td>The CA496485F-Q1 battery cell has an electrolyte which has a trinitrile compound that is one selected from the group consisting of 1,3,5-pentanetricarbonitrile; 1,2,3-propanetrinitrile; 1,3,6-hexanetricarbonitrile; 1,2,6-hexanetricarbonitrile; 1,2,3-tris(2-cyanoethoxy)propane; 1,2,4-tris(2-cyanoethoxy)butane; 1,1,1-tris(cyanoethoxymethylene)ethane; 1,1,1-tris(cyanoethoxymethylene)propane; 3-methyl-1,3,5-tris(cyanoethoxy)pentane; 1,2,7-tris(cyanoethoxy)heptane; 1,2,6-tris(cyanoethoxy)hexane; 1,2,5-tris(cyanoethoxy)pentane; and any combination thereof.
<table>
<tr><th>Limitation</th><th>X+Y (wt%)</th><th>X/Y</th><th>Z (wt%)</th><th>Y/Z</th><th>Dinitrile ID</th><th>Trinitrile ID</th></tr>
<tr><td>Claimed Range</td><td>2 – 8 *</td><td>0.1 – 6</td><td>(present)</td><td>0.01 – 0.3</td><td></td><td></td></tr>
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